JOURNAL OF THE BRITISH GRASSLANDS SOCIETY

AUTHOR INDEX, VOLUME 22, 1967

Agyare, J. A., 182
Alder, F. E., 194, 230
Aldrich, D. T. A., 270
Alexander, J. R. B., 260
Allanson, G., 77
Anslow, R. C., 108
Back, H. L., 108
Baker, H. K., 1
Black, J. N., 239
Black, W. J. M., 260
Bland, B. F., 252
Brockman, J. S., 221
Brougham, R. W., 100
Brown, W. O., 135, 214
Chambers, D. T., 194, 230
Charles, A. H., 245
Coward, N., 85
Cowling, D. W., 53
Cowlishaw, S. J., 194, 230
Crampton, C. B., 46
Davies, H., 141
Dent, J. W., 270
Eadie, J., 21
Edwards, G. H. A., 26
Elliott, J. G., 8
Foot, A. S., 66
Forbes, T. J., 158
Garwood, E. A., 121, 176
Glenday, A. C., 100
Greenhalgh, J. F. D., 13
Griffith, G. ap, 112
Griffiths, D. J., 17
Grimmett, S. G., 42
Heath, D. D., 117
Hellberg, A., 289
Hidiroglou, M., 35
Hodges, J., 85
Holmes, W., 77
Horne, F. R., 153
Hughes, R., 112
Hutchinson, K. J., 131
Irwin, J. H. D., 158
Jackson, N., 135, 214
Jeater, R. S. L., 225
Jones, D. I. H., 112
Jones, P. J., 73
Jones, R. G., 46
Kelly, A. F., 153
Knutti, H. J., 35
Langlands, J. P., 117
Lockyer, D. R., 53
Lunt, O. R., 257
Milford, R., 170
Minson, D. J., 170
Murdoch, J. C., 95
Nellist, M. E., 204, 264
Newton, J. E., 194, 230
Raven, A. M., 158
Redford, R. A., 192
Rees, D. V. H., 204, 264
Robinson, K. L., 158
Santhirasegaram, K., 239
Silvey, V., 270
Southcott, W. H., 117
Thomas, J. G., 282
Ueno, M., 148, 165
Walters, R. J. K., 112
Watkin, B. R., 182
Wells, T. C. E., 277
Williams, R. D., 165
Yoshihara, K., 148
Youngner, V. B., 257
Zaleski, A., 62

SUBJECT INDEX, VOLUME 22, 1967

Altitudinal zoning, grassland, 46
Ammonia, use as fertilizer, 225
Arachis oil, silage additive, 214

Barley, supplement to grass, 66, 158
Beef production, N fertilizers, 194, 230
Bermuda grass (*Cynodon dactylon*), salinity effects, 257
Book reviews
  Andreev, N. G. [Grassland management], 92
  Burbridge, Nancy T. Australian Grasses. Vol. 1, 93
  Cooke, G. W. The control of soil fertility, 222
  Davies, William; Skidmore, C. L. [Eds] Tropical pastures, 93
  Hills, E. S. [Ed.] Arid lands, a geographic appraisal, 92
  Kirchgessner, M.; Friesecke, H.; Koch, G. Nutrition and the composition of milk, 298
  Larin, I. V. [Ed.] Advances in pasture and hay-meadow management, 223
Book reviews—(*cont.*)
  Leigh, J. H.; Mulham, W. E. Pastoral plants of the Riverine plain, 92
  Leopold, A. C. Plant growth and development, 223
  McDonald, P.; Edwards, R. A.; Greenhalgh, J. F. D. Animal nutrition, 92
  Moore, I. Grass and grasslands, 222
  Nix, J. Farm management pocketbook, 222
  North, P. M. Poisonous plants and fungi in colour, 298
  Ricou, G. [Study of the biocoenosis of a "natural" environment; the grazed permanent grassland], 298
  Shirlaw, D. W. G. An agricultural geography of Great Britain, 222
  Whyte, R. O. Milk production in developing countries, 298
Botanical composition changes, grassland, sown, 277
Brecon Beacons, vegetation, 46
Breeding, herbage plants, 17
British Grassland Society, Winter Meeting
  Presidential Address, 1
  Papers read at, 66, 73, 77, 85

Cattle, grass utilization, barley supplement effects, 158
Chemical composition, cutting date effects, 282
Chloris gayana
  intake, prediction methods, 170
  root growth, seasonal, 148
Cocksfoot (*Dactylis glomerata*)
  cutting and regrowth, 260
  digestibility, 112
  grassland, sown, reversion, 277
  grazing management effects, 182
  N fertilizer *v.* clover, 53
  root growth, seasonal, 121, 148
Competition, wheat and undersown pasture, 239
Cutter type, regrowth effects, 260
Cutting
  date and chemical composition, 282
  grasses, effect on, 35, 42
  height, regrowth effects, 260

Digestibility
grasses, 112
intake relation, 95
Drying, timothy seed, 204, 264

Establishment, grassland, production effects, 245
European Grassland Federation, 192

Fertilizers—see individual elements
Fescue, tall (*Festuca arundinacea*)
establishment, 245
grazing management effects, 182

Grass(es)—see also individual species
conservation, 66, 73, 77, 135
cutting and regrowth, 260
digestibility, 112
grazing management effects, 182
growth, in mid-summer, 100, 108
N fertilizer *v.* white clover, 53
roots
growth, seasonal, 121, 148
irrigation effects, 176
temperate *v.* tropical, 148
utilization, barley supplement effects, 158
varieties, quality testing, 270
Grassland
altitude effects, 46
availability, measurement technique, 131
Brecon Beacons, 46
establishment methods, 245
fertilizers
ammonia, anyhdrous, 225
P, residual effects, 26
hill, reversion, 141
management systems, 77
natural, improvement, 21
production, 8
establishment methods, 245
undersowing effects, 239
reversion, factors, 141, 277
sown, botanical composition changes, 277
utilization, 13
Grazing
management, grass yields, 182
mechanical, barley supplementation, 158
systems, 77

Hay, intake, factors affecting, 95
Herbicides, white clover seed crops, 62
Hexamine, silage additive, 289

Intake
conserved fodders, 95
prediction methods, 95, 170
International Grassland Congress, 8
Irrigation
beef production, 194, 230
root weight effects, 176

Leys—see Grassland, sown
Light interception and growth rate, 100, 108
Liveweight gains, N fertilizer effects, 194, 230
Lucerne (*Medicago sativa*), silage, 289

Milk production, 66, 73, 77, 85

Nematodes, wool production, effect on, 117
Nitrogen
beef production effects, 194, 230
faecal, intake prediction, 170
fertilizers
comparison, 225
v. white clover, 53
grasses, effect on, 35, 42

O.E.C.D. herbage seed scheme, 153

Paspalum dilatatum, root growth, seasonal, 148
P. notatum, root growth, seasonal, 148
Pastures—see Grasslands
Phalaris tuberosa, cutting and fertilizers, 42
Phosphorus
residual, value, 26
uptake, clover roots, 165
Polythene sheets, root separation, 252

Red clover (*Trifolium pratense*)
establishment, 245
grazing management effects, 182
Roots
growth, seasonal, 121, 148
irrigation effects, 176
P uptake, clovers, 165
salinity effects, 257
separation, technique, 252
Ryegrass
Ariki (*Lolium perenne*×*L. multiflorum*), grazing management effects, 182
Italian (*L. multiflorum*)
establishment, 245
root growth, seasonal, 148
perennial (*L. perenne*)
cutting and regrowth, 260
cutting date and chemical composition, 282
digestibility, 112
Ryegrass, perennial—(*cont.*)
grassland, sown, reversion, 277
growth, in mid-summer, 100, 108
mixtures, clover, 194, 230
N and beef production, 194, 230
N fertilizer *v.* clover, 53
root growth, seasonal, 121, 148

Salinity, Bermuda grass, effect on, 257
Seed
drying and conditioning, 204, 264
exchange, O.E.C.D. scheme, 153
production, 17
herbicides, 62
Sheep, pasture availability, measurement, 131
Silage
additives, 135, 214, 289
intake, factors affecting, 95
making, baled herbage, 135
milk production, 66
vacuum, losses, 221
Smooth brome (*Bromus inermis*), cutting and fertilizers, 35
Soil-water, roots, effect on, 176

Timothy (*Phleum pratense*)
cutting and fertilizers, 35
digestibility, 112
N fertilizer *v.* clover, 53
root growth, seasonal, 121
seed drying and conditioning, 204, 264

Undersowing, competition effects, 239

Variety testing, grasses, 270

Wheat, competition with undersown pasture, 239
White clover (*Trifolium repens*)
grassland, sown, reversion, 277
herbicides, seed production, 62
mixtures
establishment, 245
grazing management effects, 182
perennial ryegrass, 194, 230
N and beef production, 194, 230
root growth, seasonal, 121
roots, P uptake, 165
v. N fertilizer, 53
Winter feed, dairy cows, 73
Wool production, nematode effects, 117